

1 / 10

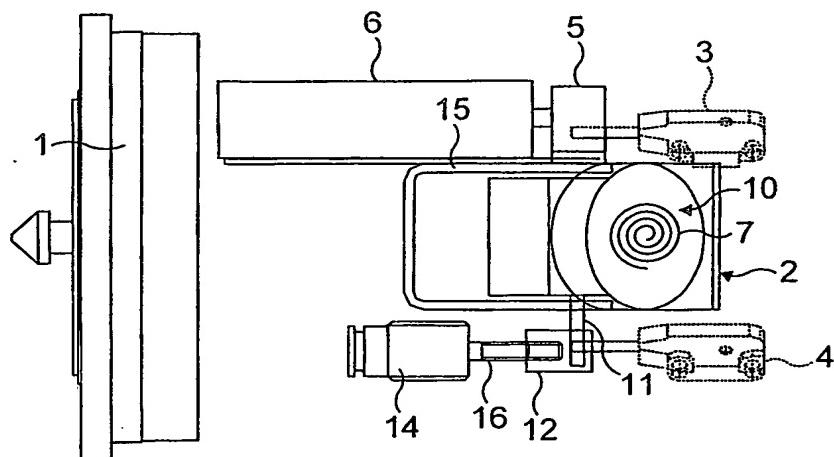


FIG. 1

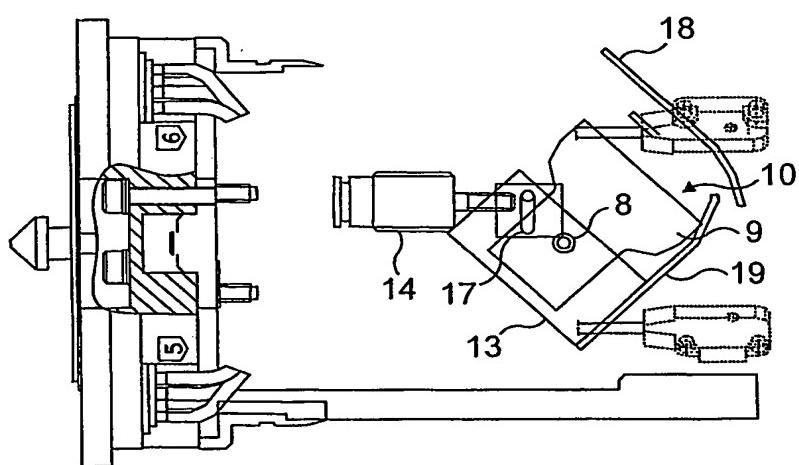


FIG. 2

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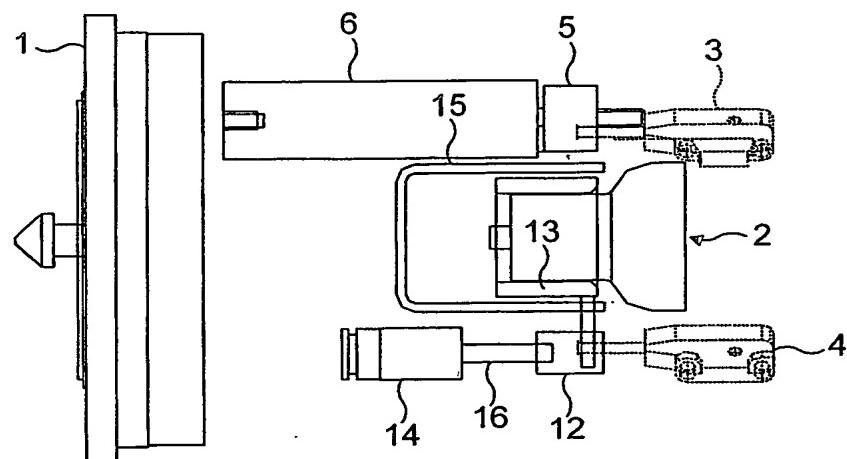


FIG. 3

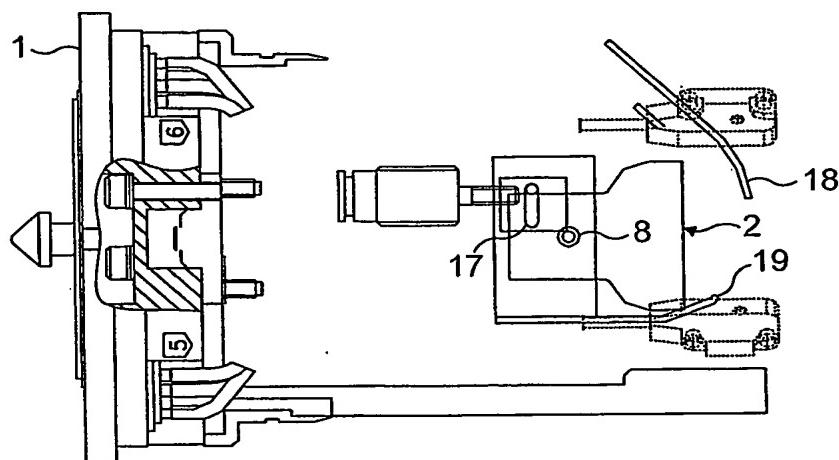


FIG. 4

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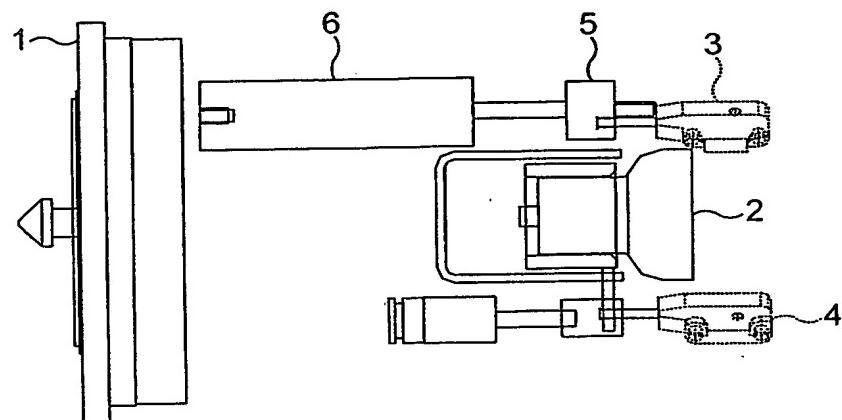


FIG. 5

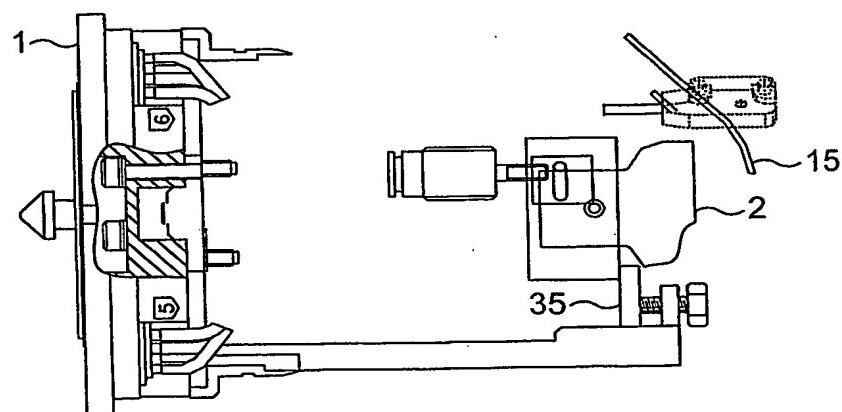


FIG. 6

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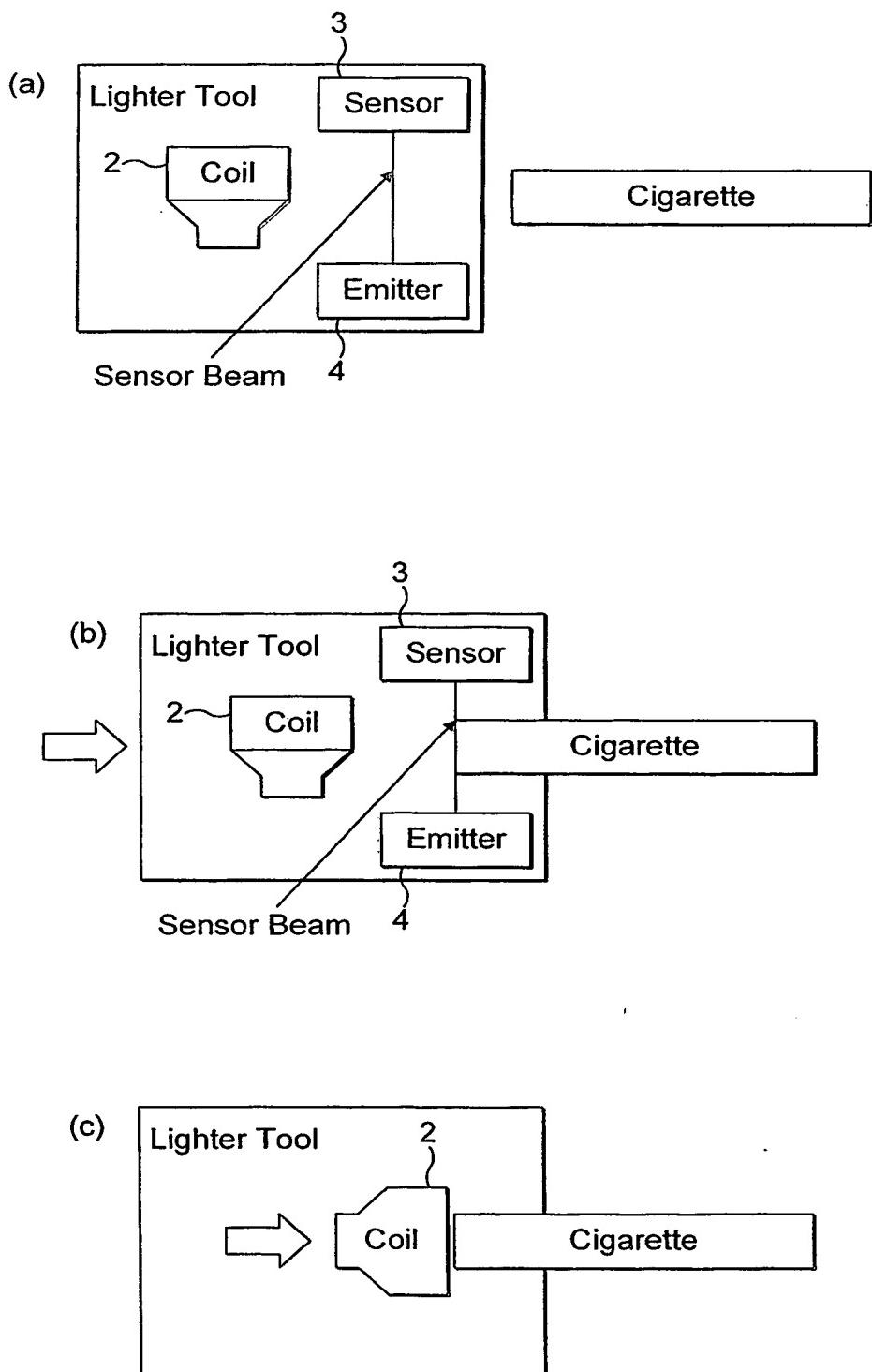


FIG. 7

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1. The lighter tool is picked up by an automatic tool holder and moved to within a few centimetres of the cigarette.

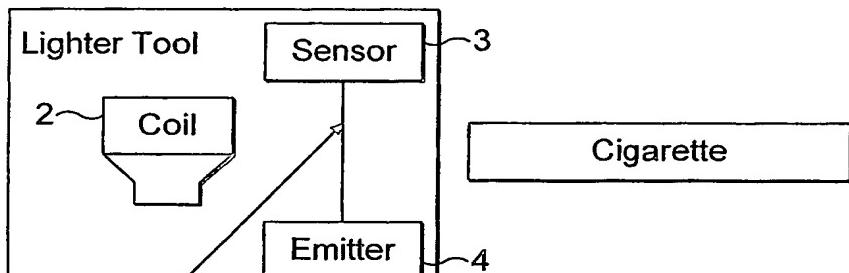


FIG. 8(a)

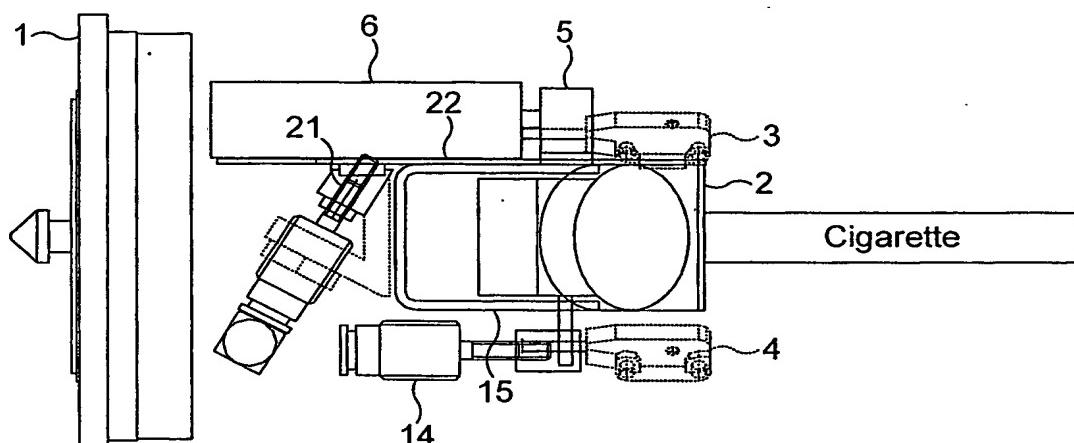


FIG. 8(b)

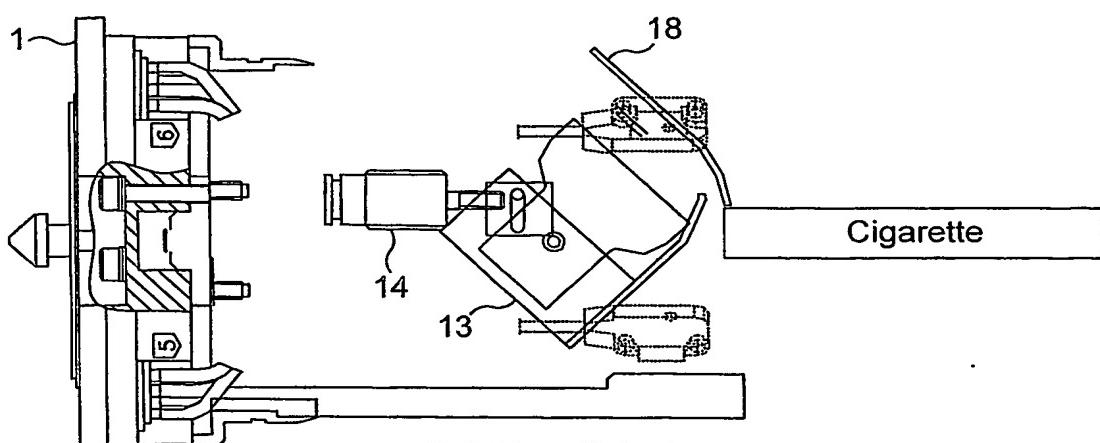


FIG. 8(c)

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2. When lighting is required, the pre heated lighter coil is swung down into the lighting position and moved towards the cigarette.

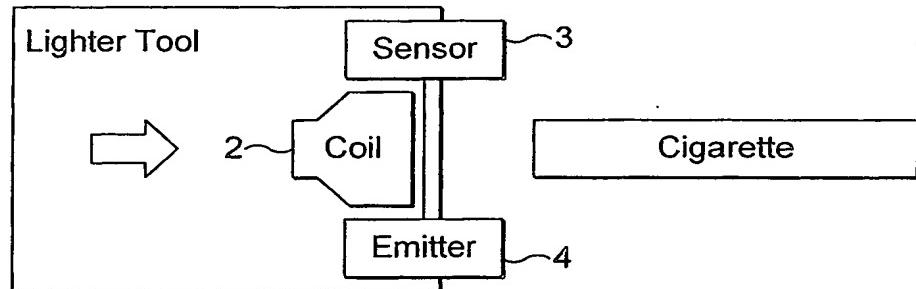


FIG. 9(a)

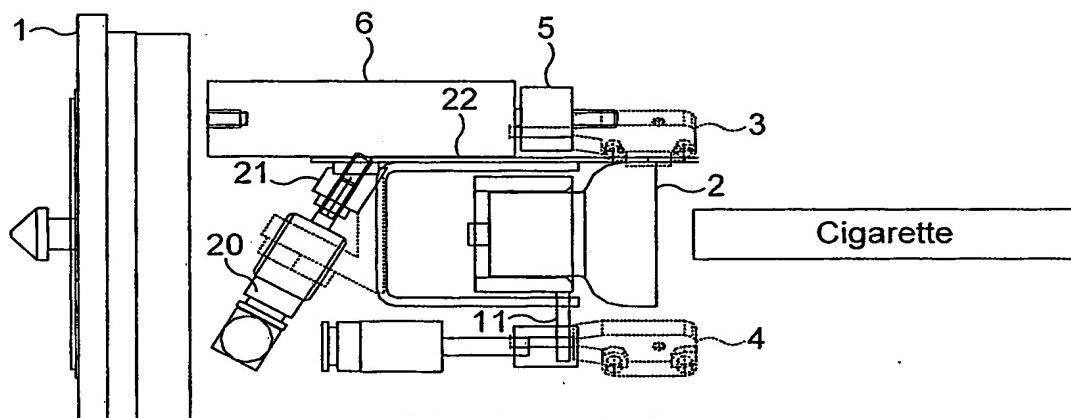


FIG. 9(b)

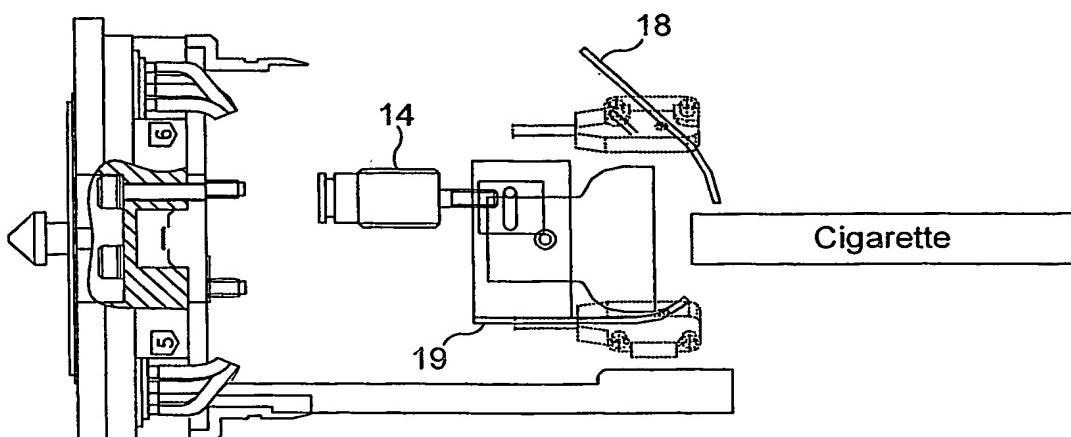


FIG. 9(c)

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3. When the sensor detects the cigarette, the mechanism / tool is stopped ensuring repeatable positioning / lighting.

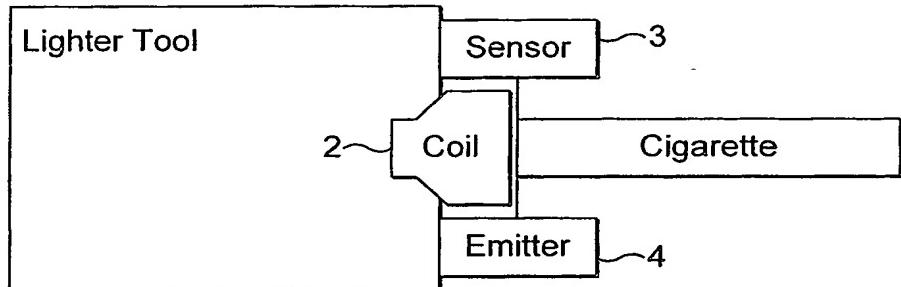


FIG. 10(a)

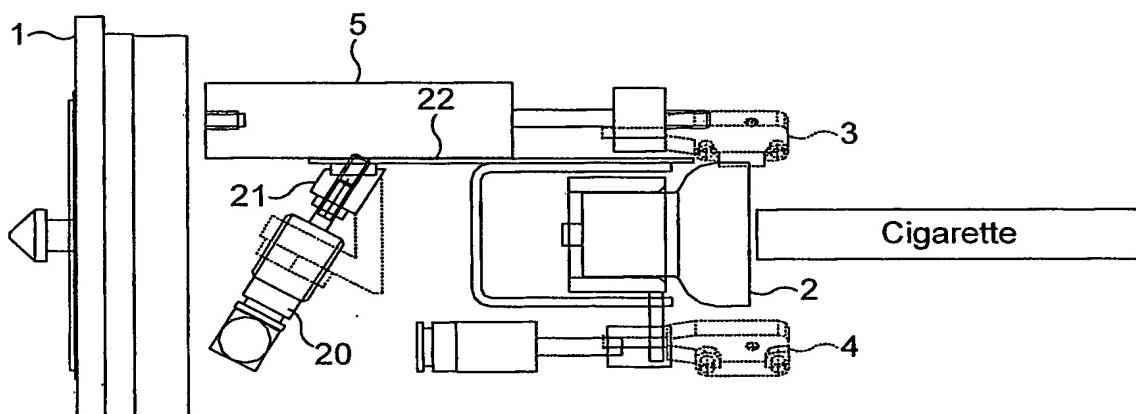


FIG. 10(b)

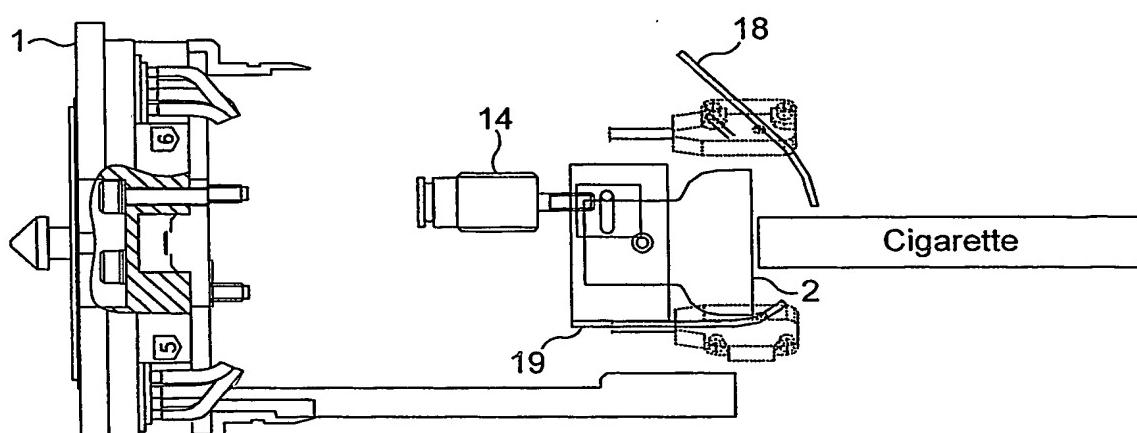


FIG. 10(c)

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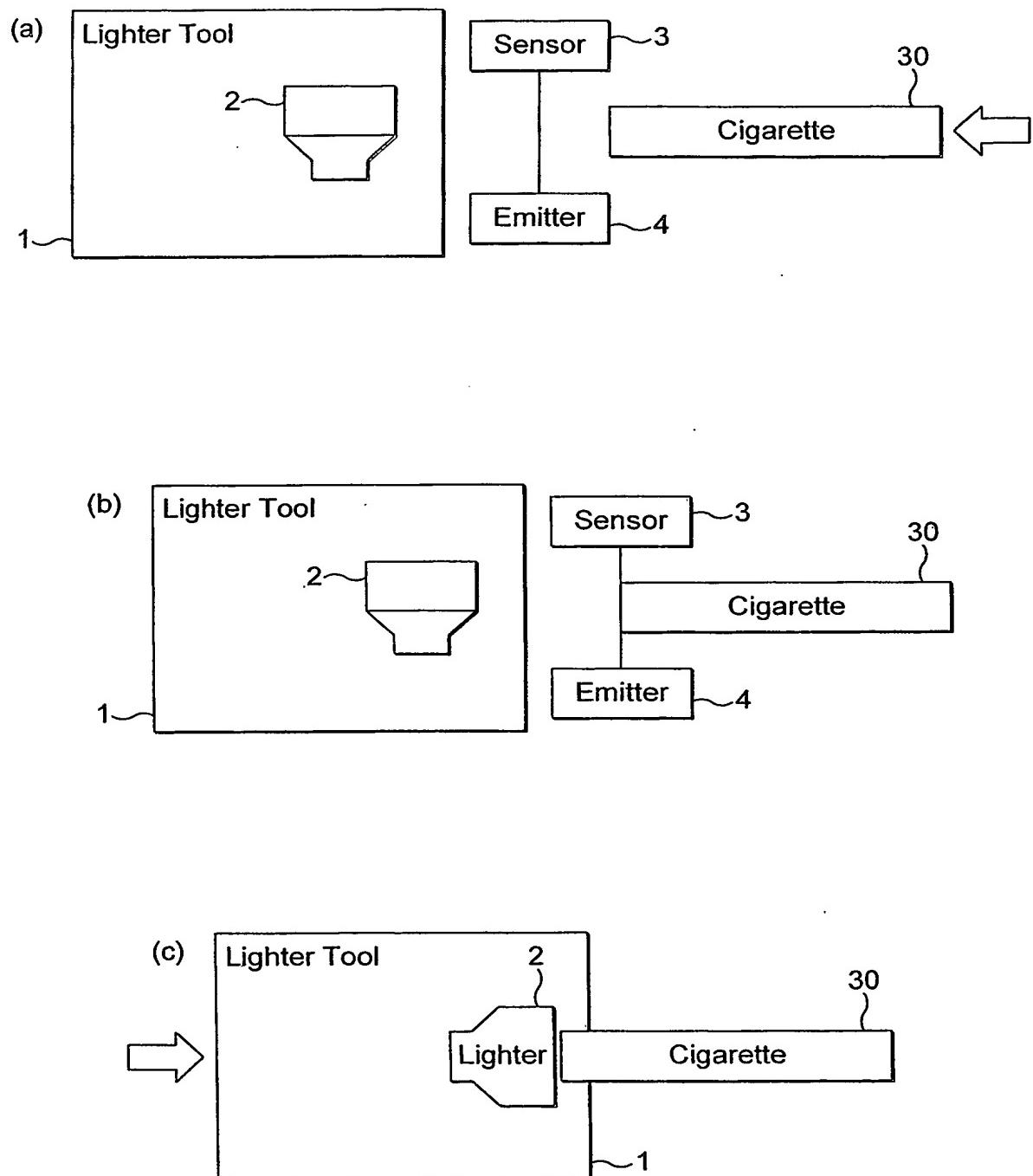


FIG. 11

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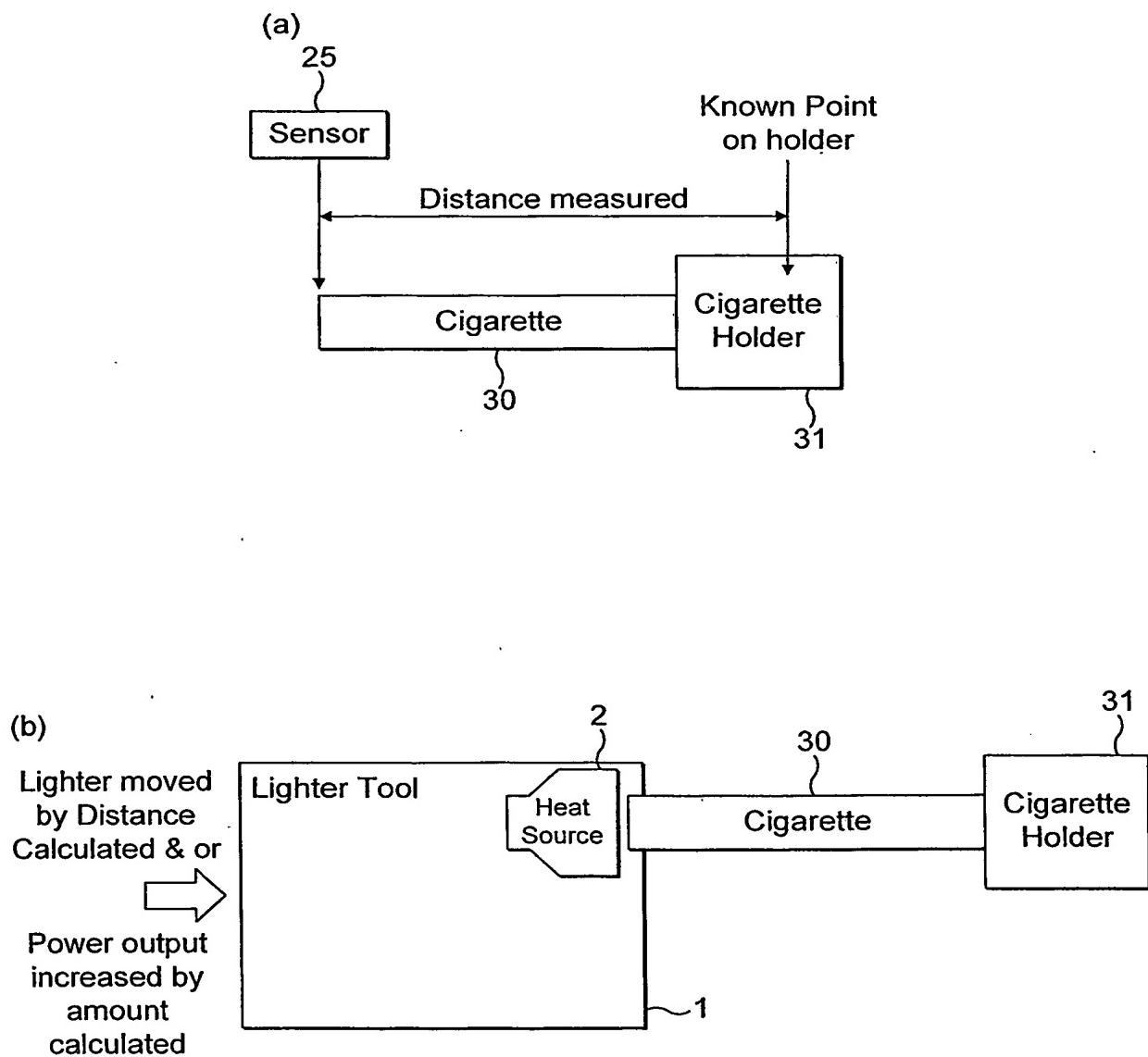


FIG. 12

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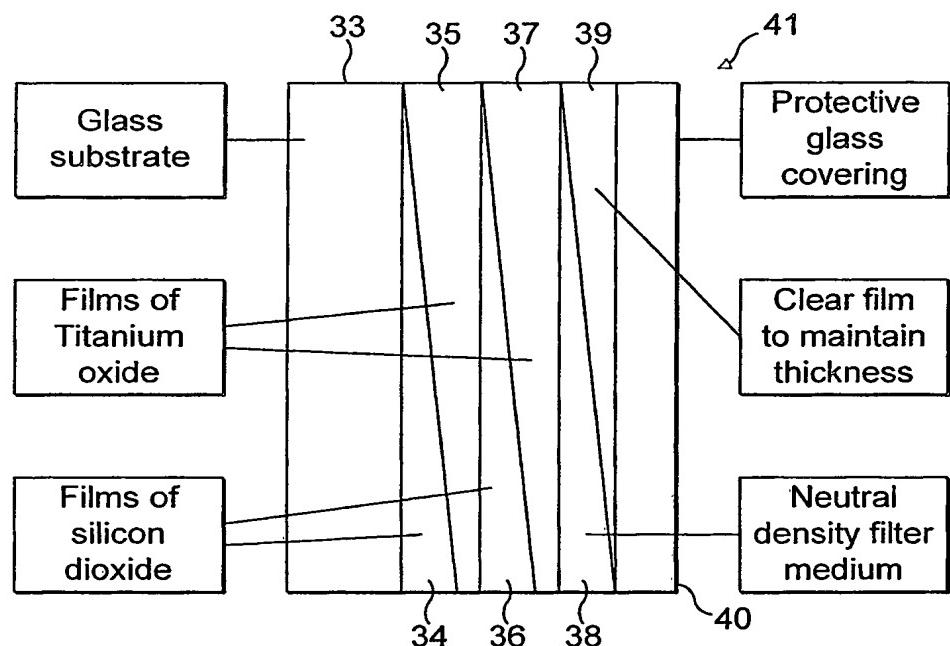


FIG. 13

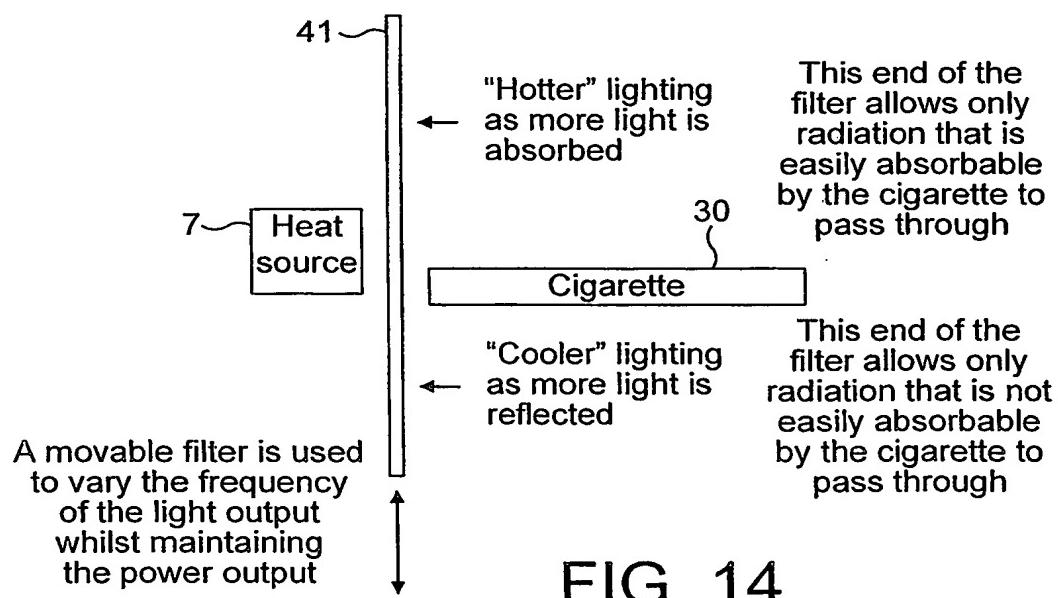


FIG. 14